

From glowbugs@theporch.com Tue Apr 2 09:18:17 1996
Return-Path: glowbugs@theporch.com
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.7.5/AUX-3.1.1) with SMTP id JAA28307; Tue, 2 Apr 1996 09:06:33 -0600 (CST)
Date: Tue, 2 Apr 1996 09:06:33 -0600 (CST)
Message-Id: <199604021506.JAA28307@uro.theporch.com>
Errors-To: ws4s@midtenn.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 148
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 148

Topics covered in this issue include:

- 1) Re: New Life Into A Tired Middle-Aged Ham
by rdkeys@csemail.cropsci.ncsu.edu
- 2) "Real" glowbugs found in CQ magazines
by Stan Skelton <sskelton@cln.etc.bc.ca>
- 3) Re: SIGNOFF BOATANCHORS (fwd)
by Stan Skelton <sskelton@cln.etc.bc.ca>
- 4) Re: New Life Into A Tired Middle-Aged Ham
by rdkeys@csemail.cropsci.ncsu.edu
- 5) Re: HUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM.....
by rdkeys@csemail.cropsci.ncsu.edu
- 6) My first little hummer
by Jeff Duntemann <jeffd@coriolis.com>
- 7) Re: HUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM.....
by Bob Roehrig <broehrig@admin.aurora.edu>
- 8) manual's wanted
by robert fowle <hammarlund@voyager.net>

Date: Mon, 1 Apr 1996 11:20:13 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: jeffd@coriolis.com (Jeff Duntemann)
Cc: rdkeys@csemail.cropsci.ncsu.edu (), boatanchors@theporch.com,
Subject: Re: New Life Into A Tired Middle-Aged Ham
Message-ID: <9604011620.AA119361@csemail.cropsci.ncsu.edu>

>
> Hi gang--
>
> NA4G said:
>
> >Abandon ye all untrue pursuits.... grabs ye up yer dykes an' findes ye
> >a forlorn solidusstatustvitis and removes ye the 3579.545 rock of ages,
> >an' makes yon tuffy 6L6 dance the dits, once again.....

My, my.... wouldst he say such a thing.....

> Someday try getting up in front of a bunch of Generation Xers and saying,
> "When I was a kid I never went anywhere without a pair of dykes in my
> pocket" and see what the reaction is.

(:+\..... guess me be an Olde Pfarte generation.....

Well, wen I be a young squirt (an' them were a few fine aeons aback in the dark waters o' time) T.O.M. always instructed me, byes the bye, in the proper usage and the proper terminology o' them thar side cuttin' nippers. In T.O.M.'s day, nary a true sparker wouldst say, ``theys be them thar `side-cuttin' nippers'' or ``theys be them thar `diagonal a'cuttin' pliers'', but always wouldst properly say, ``theys be them thar `dykes', they be'', an' all wouldst know, byes the bye, that wat were being a'spoke about, were wat them thar hi-fallutin' college larned types might call, ``flush cutting diagonal pliers''. We'all, o' the BA/GB bent, do knowe the proper terminology. But, me guesses, bye the byes, that all them thar hi-fallutin' college larned types don't know nuttin' about the fact that them thar radio ``dykes'' be just jenderless irons. Me guesses them thar ``new'' folks jus' ain't got no radio larnin!

(: +{}.....

> Has anybody tried doubling your typical color burst crystal up to 40M?

Actually that would be a good thing to try, but the QRG then becomes

$$3579.545 \times 2 = 7159.090 \text{ kcs}$$

which probably lands squarely upon one of those swbcst stns!

It would be 910 hz off the carrier there. But that is a fine CW audio tone.....

Hmmmmmm..... (geek rotary propeller beanie cap firmly planted.....)
(don't laugh.... I had one as a kid.....(:+\.....)

Maybe we could heterodyne against the carrier for direct conversion into

proper carborundum loose coupled tuners..... hmmmmmm,..... That would be a free ride on the AM sw carrier! Mebbe we have ta check dat out!

> --73--
> --JD KG7JF
> Scottsdale, Arizona

73/ZUT DE NA4G/Bob UP
rdkeys@csemail.cropsci.ncsu.edu

Date: Mon, 1 Apr 1996 08:35:59 -0800 (PST)
From: Stan Skelton <sskelton@cln.etc.bc.ca>
To: glowbugs list <glowbugs@theporch.com>
Subject: "Real" glowbugs found in CQ magazines
Message-ID: <Pine.3.89.9604010811.A162-0100000@sparky>

Hi all...I promised a listing of "classic rigs" from CQ magazine... here are some...All of these articles contain complete schematics, and instructions....

DISCLAIMER...Some of these plans contain hazardous electrical currents!...Do NOT attempt to fool with 110v if you do not know what you are doing!

Feb, 1990 1934 Globe Trotter receiver 2, #30 tubes, 1.5v & 45v
 Gill Classic Transmitter (Hartley) 1930's, 3v & 45v

Mar, 1989 Double M Special, 30's tx, 45, or 245 or 201a or uv199 tube
 classic Tri-Tetter tx 1930's, #59 tube

June 1983 One tube 10 watt tx, 6BM8 tube (110 v transformer driven)

March 1990 John Ruskin Special, 6L6 tx, coil wound on nails in wood
 Li'l Buddy tx, 955 tube, xtal controlled

January 93 PeeWee Special, 6A7 tube, tx, xtal controlled
 1940's Superhet Receiver, 6K8 & 6C8G tubes
 1930's push-pull osc. tx, 2, 245 tubes

Sep 95 Red Hot radios, 1S4 tx,
 Red hot radios, 3A4 rx, matched pair

Jan 1985 One tube 40 m tx, 6F6 or 6K6 or 6V6 or 6L6 tube

June 1988 classic push-pull tx, 210 or T-20 tubes (2)

July 1992 Rush Box regen. rx, 6J5 & 6V6 & 955 tubes

Sep 1991 xtal Hartley tx 201A tube, 2 watts on 30 or 40 m
Transformerless Wonder, 117N7GT tube, BE CAREFULL
WITH THIS ONE, 110 VOLTS THROUGHOUT!!!!!!!!!!!!!!

Nov 1992 QRP Midget 2, 3S4's
Low Boy, 6L6 tx on a wood base
30's style Hartley tx, 201A tube
One tube oscillodyne rx, #27 tube

Oct 1994 Bare Essentials tx, 50C5 tube, WATCH THIS ONE ALSO
TRANSFORMERLESS 110V!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

TtFn....Stan VE7SKT QRP# 34,

Date: Mon, 1 Apr 1996 08:39:33 -0800 (PST)
From: Stan Skelton <sskelton@cln.etc.bc.ca>
To: qrp maillist <qrp-l@lehigh.edu>
Cc: glowbugs list <glowbugs@theporch.com>
Subject: Re: SIGNOFF BOATANCHORS (fwd)
Message-ID: <Pine.3.89.9604010850.B162-0100000@sparky>

Thought you might like to see what's going on in Boatanchors....
TtFn....Stan T.M. VE7 SKT QRP-L #34

----- Forwarded message -----
Date: Mon, 1 Apr 1996 10:23:58 -0600 (CST)
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
To: sskelton@cln.etc.bc.ca
Subject: Re: SIGNOFF BOATANCHORS

Hello Stan-

> I find your attitude most un-internet, hopefully there are not a lot of
> organizations like you, especially in ham oriented activities
I am quite puzzled by this... there has been plenty of warning and
discussion about the change-over to a paid list.

We agreed that a \$12 annual "dues" would not be excessive, and would
cover most of the costs that Phil and I have shelled out of our own

pockets to support the list.

If you feel that asking those people who read and subscribe to the list should help cover the costs to two individuals as "un-internet" and against some lofty principle, consider this:

Last year, 1995, Phil and I together shelled out over \$8,000 to run the list... That came out of *MY* pocket, and out of Phil's pocket. We are simply seeking to get the list subscribers to support the list with a small contribution of \$12.00 per year.

Repeater owners and radio clubs have done this for years.

If you didn't feel there was any value to the list, why did you wait until after the posted deadline, and then only complain after I sent an unsubscribe through for you?

There is a principle at work here, Stan, and I think you are widely missing the point: NO WHERE, not on the internet, not in real life, is it reasonable for one (you) to expect that someone else (Phil and me) will always pick up the tab... we took the list private and off the "free" university and company sites, because we found we were always looking for a new site. Had you but read the welcome message when you signed on, you'd have known that we were trying to fund the list with voluntary contributions... and when so few volunteered, we had little choice but to go with a dues or subscription fee... and 450 subscribers disagree with you -- they paid and value the list.

If the \$12 fee is too much for you, we have scholarships, but one must wonder how you can afford a computer, ISP fees, and net connection, and not be able to spend \$0.03 a day for the BA list, unless it is of no value to you, in which case, why object? And, why not unsubscribe yourself sooner?

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listown@jackatak.theporch.com ---- firebot1@jackatak.theporch.com

Date: Mon, 1 Apr 1996 12:25:33 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: dgf@netcom.com (David Feldman)
Cc: rdkeys@csemail.cropsci.ncsu.edu (), boatanchors@theporch.com,
Subject: Re: New Life Into A Tired Middle-Aged Ham

Message-ID: <9604011725.AA119552@csemail.cropsci.ncsu.edu>

>
> Don't laugh too much - when I was about 12, I found an ARRL handbook at my
> grandfather's house, and was listening on his AM SW set for morse code. I
> did indeed find several audible CW stations, probably the result of
> heterodynes, and started learning to copy code that way.
>
> 73 Dave WB0GAZ dgf@netcom.com
>

No laughs at all, Dave. I very commonly will heterodyne against a carrier, if it is strong in the regen receiver I regularly use (RAL). In so doing, it is an ol' timers trick for copying ``direct conversion'' mode. Direct conversion is not new. It dates from about 1907 when local oscillating arcs were used as heterodyne oscillators into longwave gear. On 40 meters amid the SWBCST qrm, it makes for easy copy in the novice band..... More folks should try it! If a strong carrier is close by, use it for your detection/demodulation of CW. Works Great (especially in QRM and digging out the weak stations).

I remember listening to my first arcus fivus and catching some heterodyne reception in the ham bands that way. I wuz too stoopid to know what the bfo did.....(:+}}.....

Also, if you have a freq meter of the LM or BC-221 variety, you can use that as a very stable heterodyne oscillator in a simple regenerative receiver to lock the regen on frequency or to use as the actual conversion heterodyne oscillator. It also makes a good BFO for use in such old AM receivers, in a pinch.....

73/ZUT DE NA4G/Bob

Date: Mon, 1 Apr 1996 13:17:56 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: broehrig@admin.aurora.edu (Bob Roehrig)
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com,
Subject: Re: HUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM.....
Message-ID: <9604011817.AA119759@csemail.cropsci.ncsu.edu>

>
> On Mon, 1 Apr 1996 rdkeys@csemail.cropsci.ncsu.edu wrote:
>

> > > Re the "humming" note on my T-19/ARC-5 Saturday nite, which
> > > was fixed by Sunday's net: It helps if one twists the AC
> > > filament supply wires in the interconnecting cable together to
> > > cancel the field.....
>
> If I remember correctly, the filament circuit of the osc stage runs thru
> a winding on the osc coil. I never could figure out why this was done
> and figured it would be a real source of hum problems when using AC for the
> filaments. Any idea why this was done?
>
> E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI

Good point. It goes back to early oscillator design. Something for
the home brewers amongst us do consider in that next breadboard wonder.

In the early days of oscillators, especially Hartleys with cathodes up
from ground, it was not uncommon to lift the filament for rf also.
Thus, the extra windings in the oscillator coils of the arcusfivus gear.
It lifted the filament up from ground so the cathode to filament voltage
differential at RF was minimal. Perhaps the 1626 had a fairly high
filament to cathode stray capacity that would subject the oscillator to
pulling or drifting, or begin to ground for RF the oscillator cathode tap,
reducing oscillation efficiency for a particular level of cathode tap.
Lifting the filament would decouple the grounding tendency.

Electron coupled oscillators were sometimes done the same way. Dow's
original circuits using directly heated tubes were the extreme of this
adaptation. He used 860's with copper tubing grid coils and inside the
grid coil was a wire to lift the floating filament pin up to the tap
rf coupling point.

In the late 30's there were a few design articles, if I am remembering
correctly, for ECO's that also had filament windings, or discussions of
it in the Hints and Kinks column.

73/ZUT DE NA4G/Bob UP

Date: Mon, 1 Apr 1996 11:25:57 -0700
From: Jeff Duntemann <jeffd@coriolis.com>
To: glowbugs@theporch.com
Subject: My first little hummer
Message-ID: <199604011825.LAA04218@ns2.indirect.com>

I'm proud to say I built my first transmitter back in 1973, and it was
something called the Mini-Mitter, from an article in *Electronics

Illustrated* in 1965. Don't recall the author, but unless I misremember it was a 50C5A Pierce oscillator driving a 50L6 final to about ten watts on 40M, with the filaments in series (with a resistor to take up the 20V slack) and B+ coming from running the naked line through a voltage doubler without benefit of power transformer. It worked, but the key was hot, and I could have lived with that except that for some reason the CW output was about 5-10% AM modulated by 60 cycle. You want hum, sheesh--I kept getting these RST 555's and 593's and other weird numbers. I worked 18 states with it until a local guy threatened to give me a Real Transmitter. I still have the rig, tho when I plugged it in a couple of years ago for jollies one of the voltage doubler caps blew up.

I don't recommend that circuit. But I'm glad I did it.

--73--

--Jeff Duntemann KG7JF, ex-KI6RA, ex-KB2JN, ex-WB9MQY, ex-WN9MQY.
Scottsdale, Arizona

Date: Mon, 1 Apr 1996 19:08:08 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: rdkeys@csemail.cropsci.ncsu.edu
Cc: rdkeys@csemail.cropsci.ncsu.edu, glowbugs@theporch.com,
Subject: Re: HUMMM.....
Message-ID: <Pine.ULT.3.91.960401190545.19589E-100000@admin.aurora.edu>

> > If I remember correctly, the filament circuit of the osc stage runs thru
> > a winding on the osc coil. I never could figure out why this was done
> > and figured it would be a real source of hum problems when using AC for the
> > filaments. Any idea why this was done?

> >

> > E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI

>

> Good point. It goes back to early oscillator design. Something for
> the home brewers amongst us do consider in that next breadboard wonder.
> In the early days of oscillators, especially Hartleys with cathodes up
> from ground, it was not uncommon to lift the filament for rf also.
> Thus, the extra windings in the oscillator coils of the arcusfivus gear.
> It lifted the filament up from ground so the cathode to filament voltage
> differential at RF was minimal. Perhaps the 1626 had a fairly high
> filament to cathode stray capacity that would subject the oscillator to
> pulling or drifting, or begin to ground for RF the oscillator cathode tap,
> reducing oscillation efficiency for a particular level of cathode tap.
> Lifting the filament would decouple the grounding tendency.

OK Bob, Good point. Guess I never considered the breakdown or the capacity issue. The only thing I can see wrong with doing that is possible drift from heating caused by the filament current.

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

Date: Tue, 2 Apr 1996 07:29:29 -0500 (EST)
From: robert fowle <hammarlund@voyager.net>
To: boatanchors@theporch.com
Cc: glowbugs@theporch.com, ham-tech@netcom.com, qrp-1@Lehigh.EDU
Subject: manual's wanted
Message-ID: <199604021229.HAA13661@vixa.voyager.net>

Hello everybody. have the following manuals to trade towards manuals i want. these are in new condition.

ORIGINAL UNUSED MANUALS FOR TRADE ONLY
QTY DESCRIPTION

ORIGINAL HALLICRAFTERS MANUALS

3	HA-4
1	WR-600W
2	S-29
4	S-36
2	S-36A
4	S-39
4	SR-150
5	SR-400

ORIGINAL HAMMARLUND MANUALS

8	HQ-100
23	HQ-145-A
17	HXL ONE AMP (1.5KW)
20	HX 50
33	HX-500

LOOKING FOR MANUALS BY:

DRAKE, HAMMARLUND, COLLINS, TECHNICAL
MATERIAL, NATIONAL, SWAN, KENWOOD, YAESU,
JOHNSON,
HENRY,

ICOM, HALLICRAFTERS, EF

AZDON, MILLEN, RACAL, GONSET, PHASEMASTER,
LAKESHORE, DENTRON, AND OTHERS..

THIS LIST IS TO HELP GIVE YOU AN IDEA OF
THE TYPES OF MANUALS I'M LOOKING FOR.
IF YOU HAVE A MANUAL BY A COMPANY NOT LISTED,
DON'T ASSUME I WON'T BE INTERESTED.
CHECK WITH ME....YOU MAY BE SURPRISED. 8-)

=====] - [->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. voice or fax 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail at: hammarlund@vixa.voyager.net
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====] - [->

End of GLOWBUGS Digest 148
